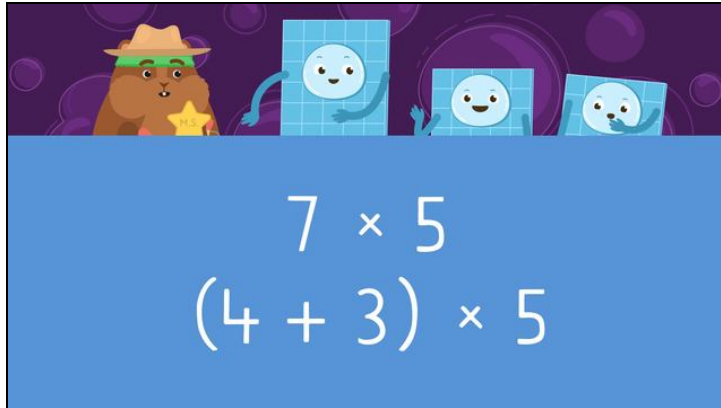


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

# Distributive Property of Multiplication



- 1 Finding the array to match the equation.
- 2 How can we find Big 'Arry's area?
- 3 Use the distributive property of multiplication.
- 4 Find the equations that match each array's area.
- 5 Breaking down factors.
- 6 Finding factors.
- + with many hints, answer keys, and solution approaches for all tasks

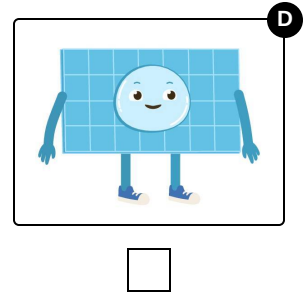
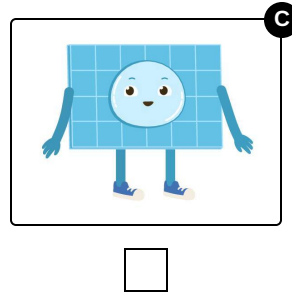
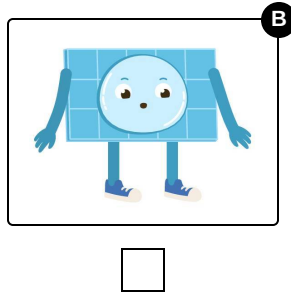
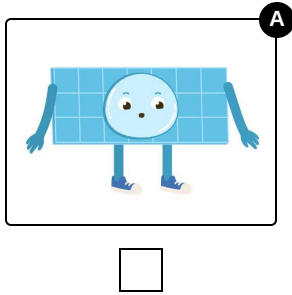


The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

## Finding the array to match the equation.

Select the correct option.

$7 \times 3$  can be broken down by splitting the larger factor 7 into 5 and 2. Which 'Array shows:  $(5 \times 3) + (2 \times 3)$ ?



## Our hints for the tasks

1  
from 6

### Finding the array to match the equation.

#### 1. Hint

What two factors can 7 be split into? Both of these are then multiplied by 3.

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#### 2. Hint

Solve the separate multiplication equations  $(5 \times 3) + (2 \times 3)$  then combine these products to find the total. This is how many squares are in the array.

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#### 3. Hint

$7 \times 3 = 21$ . Can you see an array with 21 squares?

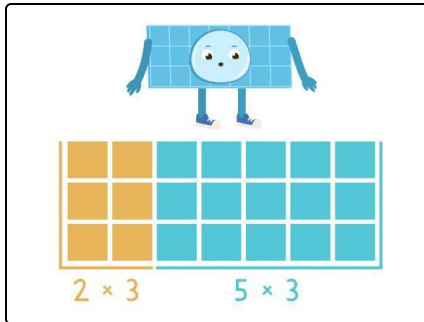
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## Solutions and solution approaches for the tasks

1  
from 6

### Finding the array to match the equation.

Answer key: A



- This image shows how the array  $7 \times 3$  can be broken into two parts to make the multiplication simpler.
- An array of  $7 \times 3$  is the same as an array of  $2 \times 3$  and  $5 \times 3$ .
- $(2 \times 3) = 6$  and  $(5 \times 3) = 15$ .
- $6 + 15 = 21$ .
- $7 \times 3 = 21$ .